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... data included crown (or canopy) closure and landcover class used for the **openness** variable ... **terrain**, and snow condition variables were all derived from a digital **elevation** model (DEM ... topographic position (crest, upper slope, middle slope, lower slope, toe, **depression**) was used ...

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... A database of selected erosion calderas presenting volcano type, age, **elevation**, **depression** diameter, as well as annual temperature and rainfall values is given in Table 1. Table 1a includes various examples of ero- sion depressions at extinct volcanoes where erosion is an ...

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... This characteristic, however, means that **openness**, like the TOPEX index, is perhaps less suited to ... site, it would be advis- able to buffer the area with digital **elevation** data in ... remove depressions and flats from OEMs, which can be catego- rized as **depression** filling, **depression** ...

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... In retrospect, the competing political philosophies of secrecy v. scientific **openness** provide us with important ... during the pre-Apollo lunar explorations of the 1960s, and to some **degree** it still ... areas of "higgledy-piggledy" hills were imaged; they came to be called chaotic **terrain**. ...

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... 80) is mapped onto a two-dimensional plane (90), and gray-scale display (F) corresponding to the **degree** of eleva- tion/**depression** is conducted ... mapper, the **terrain** is lattice-like divided, having altitude values given thereto, to provide a DEM (Digital **Elevation** Model) data. ...

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... 179 Table 1a **Topographic**, morphometric, and climatic data for selected erosion depressions in volcanic terrains around the world, with regio ... Cessation (youngest age) of volcanism **Depression** diameter (m) ... Station **elevation** (m) Annual temper- ature ( 7 C) Annual rainfall (mm) ...

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... Within the local Appalachian Plateau, "all the hills and stream di- vides rise to about the same **elevation**, the sky ... Point and Grant's Hill suggested a physical axis that would link them in the new civic **topography** as they were already linked in the cosmo- logical **terrain** and in ...

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M McGreevy - NASA Technical Memorandum - [Citeseer](#)

... are intensely interested in the arrangement and history of the **terrain**. Further, **terrain** is a record of its ... The author wishes to thank the field geologists with whom he was associated in this study for their generosity, **openness**, and trust. Access to scientists during the conduct ...

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[The Terrain of the Self and the Other: A Phenomenological Study of Animals as ...](#)

DL Goulden - 2004 - [lib.umd.edu](#)

... Dissertation submitted to the faculty of the Graduate School of the University of Maryland in partial fulfillment Of the requirements for the **degree** of Doctor of ... The **Terrain** Of Language: Voice and Body ... In surrendering, we enable ourselves and the world to render an **openness** ...

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... 8 1.3 ENVIRONMENTAL SUITABILITY 14 1.4 LANDFORM CONCEPTS 17 1.5 **TERRAIN** MODIFICATIONS 28 ... They include the basic landscape trilogy of climate, **topography**, and land ... lower number would suggest a campus landscape to some **degree** deficient Opportunities ...

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... axis or other 27 linear structure, plunge in **degrees** inclined cleavage, dip in **degrees** -f- horizontal ... The plunge fully expresses the **three-dimensional** orientation of a line and has two parts: (a ... This is usually done by stating, with a number, the **elevation** of individual points such as ...

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FD Hole, JB Campbell - 1985 - books.google.com

... 75 4.25 Soil Cover Pattern Illustrating **Openness**. ... The relief is 12 meters (40 ft), between **elevations** of 200 and 212 meters (665-705 ft), on the Door Peninsula. ... on a map, are impure as the result of inclusion of patches of other kinds of soil, and (2) the **degree** of definiteness of ...

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A Bahamón, P Pérez, A Campello - 2008 - books.google.com

... Within the plant kingdom, life is organized with a maximum **degree** of logic and efficiency, and ... in allusion to the **terrain** on which it is located. ... Rear **Elevation** Transverse Section 1 - Waterproof Exterior Wall - - Fireproof Exterior Wall , - Reinforcing Beam 4- Entrance Mezzanine 5 ...

**DECISION MAKING BASED ON EARTH OBSERVATION TECHNOLOGY**

J Zhang, Y Zeng, W Xie, T Wang - Geospatial Technology for Earth ..., 2009 - Springer

... slope of landslide is flatter than surrounding mountainous ar- eas, whereas some of landslide could be plane or **depression**. ... Digital **elevation** model (DEM) presents **terrain** relief. ... 3) Data exchanging based on function level can ensure **openness** of an in- formation system. ...

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... After obtaining his Masters **degree**, he worked in the offices of Eero Saarinen, was ... vernacular picturesqueness, when historical reference is two-dimensional, not **three-dimensional**, and teeming ... Both the hilly **terrain** of the neighborhood and the specific natural characteristics of ...

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R Lanari, P Lundgren, E ... - Geophysical Research ... , 1998 - trs-new.jpl.nasa.gov

... This DEM has a 25 m posting, with a height uncertainty of 5-10 m. The resulting differential interferograms are related to the **volcano** surface ... All the **image** pairs selected for this study have a perpendicular ... For a baseline of 80 m this **topographic** error would be less than 2.4 ...

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### Topographic analyses of K<sup>\*</sup> lauea **Volcano**, Hawai'i, from interferometric airborne ...

SK Rowland, ME MacKay, H Garbeil, PJ Mougini- ... - Bulletin of ... , 1999 - Springer

... 1994a) hold the promise of producing detailed **topographic** maps over large areas of the world ... Be- cause these techniques determine an elevation at each picture element (pixel) in a ... Garbeil 1993), and the slopes and lava flow volumes on Galápagos **volcanoes** (Rowland 1996 ...

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### Ring formation in evaporating porphyrin derivative solutions

L Latterini, R Blosssey, J Hofkens, P Vanoppen, FC De ... - Langmuir, 1999 - pubs.acs.org

... Figure 4 **Topographic image** acquired by AFM on a PtP sample on glass deposited in the presence of a saturated CHCl<sub>3</sub> atmosphere. The scale bar below the **image** represents 10 μm.

**Volcano**-like structures are connected by straight lines as a guide to the eye, indicating their ...

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### NASA EOS Terra ASTER: Volcanic **topographic** mapping and capability

NF Stevens, H Garbeil, PJ Mougini-Mark - Remote Sensing of ... , 2004 - Elsevier

... for generating up-to-date land cover maps, using standard **image** classification techniques. This is an important observational capability, especially at active **volcanoes** where land ... a powerful observational tool before, during and after significant volcanic **topographic** and surface ...

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HA Zebker, CL Werner, PA Rosen, S ... - IEEE Transactions on ... , 1994 - Citeseer

... the **image** or some other technique to produce useful **topographic** maps. ... We have produced several **topographic** maps from ERS-1 observations and have used interfer- ... Katmai, Toolik Lake, and Manley Hot Springs sites in mainland Alaska and of Shishaldin **volcano** in the ...

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### [PDF] Large **Topographic** Rises on Venus: Implications for Mantle

ER Stofan, SE Smrekar, DL ... - Journal of ... , 1995 - trs-new.jpl.nasa.gov

... rift-dominated rises, with Beta Regio lying 2.1 km above the surrounding plains and Atla Regio at 2.5 km above the surrounding plains (Table 1). The **volcano**- dominated and ... This was done using both **topographic** profile and using altimetry data displayed in **image** form. ...

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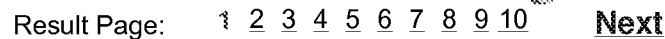
### [PDF] Aseismic inflation of Westdahl **volcano**, Alaska, revealed by satellite radar ...

Z Lu, C Wicks, D Dzurisin, W Thatcher, J ... - Geophys. Res. ... , 2000 - geo-explorer.net

... for several periods are shown in Figure 2. In each case, the **topographic** contribution to ... The red dot at **image** center represents location of the best fitting source. ... 1570 LU ET AL.: SAR INTERFEROMETRY OF WESTDAHL **VOLCANO** Using this assumption, we compared the 1993 ...

[PDF] ... aperture radar interferometry of Okmok **volcano**, Alaska- Radar observations  
Z Lu, D Mann, JT Freymueller, DJ ... - Journal of Geophysical ..., 2000 - [volcanoes.usgs.gov](http://volcanoes.usgs.gov)  
... corresponds to  $h_a = 115$  m. There is not much vegetation on the **volcano** surface; therefore it ... Each  
cycle of colors represents **topographic** relief of  $\sim 5$  m. The interferometric correlation ... average  
is larger than 0.9, which indicates excellent coherence over almost the entire **image**. ...  
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... episode in the Eyjafjallajökull **volcano**, Iceland, derived from InSAR **images**  
R Pedersen, F Sigmundsson - Bulletin of Volcanology, 2006 - Springer  
... is becoming an important tool for mea- suring surface deformation at Icelandic **volcanoes** (eg,  
Sigmundsson ... m (Table 2). The h a is related to the orbital separation between **image** acquisitions,  
and ... accuracy of about 30 m, we can discard the presence of **topographic** fringes in ...  
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### Hot fingers in the mantle wedge: new insights into magma genesis in subduction ...

Y Tamura, Y Tatsumi, D Zhao, Y Kido, H ... - Earth and Planetary ... , 2002 - Elsevier

... In this report, we develop the proposition that **volcano** distribution patterns, coupled with **topographic** profiles, seismic tomography and Bouguer gravity, can provide a new **three-dimensional** genetic understanding of **volcanoes** along the Northeast Japan arc. ...

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### [HTML] ... location under Somma-Vesuvius **volcano** using a new **three-dimensional** ...

A Lomax, A Zollo, P Capuano, J ... - Geophysical Journal ... , 2001 - adsabs.harvard.edu

... **Topographic** map (right) of the Somma-Vesuvius region showing the Tomoves 1994 (line S) and 1996 (lines AD ... The 2-D Tomoves velocity sections present a fairly complete **image** of the velocity structure of the volcanic edifice and surrounding **volcano**-sedimentary deposits. ...

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... in correlation properties the Toolik data, implying that **topographic** models derived from the data will be ... a few outcrops on the **volcano** itself and the immediate beach area exhibit sucient correlation to ... earth with radius equal to the geodetic radius at the center of the **image** for our ...

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### [PDF] ... the crustal magma sources beneath Mauna Loa and Kilauea **volcanoes**

PG Okubo, HM Benz, BA Chouet - Hawaii: Geology, 1997 - geology.gsapubs.org

... equations and smoothing constraints to control the degree of model roughness in the derived **images**. ... suited for the study of volcanic regions, which typically have large **topographic** relief and ... DATAAND ANALYSIS Kilauea **volcano** was one of the earliest targets in studies of the ...

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### [PDF] ... -dimensional seismic transmission prospecting of the Mont Dore **volcano**, ...

A Nercessian, A Hirn, A Tarantola - Geophys. JR Astr. Soc, 1984 - ipgp.fr

... The resulting picture reveals such features as: (1) a circular caldera within the basement, the ... 3-D prospecting of the Mont Dore **volcano** 309 IS 5KM Figure 3. Two examples of ... Preliminary maps of residuals with respect to a reflection hyperbola and **topographical** correction show ...

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G De Luca, L Filippi, G Patane, R Scarpa, S ... - Journal of Volcanology ... , 1997 - Elsevier

... Etna and for its **topographical** variations. ... The 3D velocity **image** of the **volcano** we resolve has the following properties: The velocity structure beneath the central craters is characterized by relatively high Vp veloci ties corresponding to a dense intrusive core. ...

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### Ring formation in evaporating porphyrin derivative solutions

L Latterini, R Blossey, J Hofkens, P Vanoppen, FC De ... - Langmuir, 1999 - pubs.acs.org

... Figure 5 AFM **topographic images** acquired on a PtP sample prepared in the presence of a saturated ... Figure 7 Transmission **images** acquired during in situ preparation of a PtP film on glass ... in the droplet positions after coalescence or from a distortion of the **volcano** lattice due to ...

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J Kauahikaua, T Hildenbrand, M Webring - *Geology*, 2000 - [geology.gsapubs.org](http://geology.gsapubs.org)

... gravity data on the island of Hawai'i that leads to a clearer picture of the ... vents, all of which erupted alkalic basalt, trend northwest and southeast from the **topographic** summit and ... Clague, DA, and Moore, JG, 1991, *Geology and petrology of Mahukona **Volcano**, Hawaii: Bulletin of ...*

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**Three-dimensional P-wave velocity structure of Bandai **volcano** in northeastern ...**

T Yamawaki, S Tanaka, S Ueki, H Hamaguchi, ... - *Journal of Volcanology* ..., 2004 - Elsevier

... 1995 and Matsushima et al., 1997): this experiment was the first in Japan to directly **image** the **three** ... we apply a tomographic inversion method to first arrival travel-time data to determine the **three-dimensional** shallow velocity structure beneath Bandai **volcano**, and then ...

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F Beauducel, FH Cornet - *J. geophys. Res.*, 1999 - [ipgp.fr](http://ipgp.fr)

... analysis of this DEM has revealed, locally, errors in the order of a few hundred meters on the flank of some valleys, because of oblique sunlight when the **images** were taken ... 730 BEAUDUCEL AND CORNET: GPS AND TILT DATA AT MERAPI **VOLCANO** ... 3) **Topo-** graphic effects ...

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M Kuimala, M Lodenius, FAP Prevention, H ... - Boreal Environment ... - ethesis.helsinki.fi

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